about 500 Å to about 4,000 Å, and wherein the metal third layer has a thickness in a range from about 1,000 Å to about 5,000 Å.

32. (New) The BLM stack according to claim 1, wherein the metal third layer includes a NiV composition over the metal second layer, wherein the NiV composition has a thickness in a range from about 1,000 Å to about 5,000 Å.

33. (New) The BLM stack according to claim 1, wherein the metal third layer includes a NiV composition over the metal second layer, wherein the NiV composition has a thickness in a range from about 1,000 Å to about 5,000 Å, and wherein the metal second layer has a thickness in a range from about 1,000 Å to about 5,000 Å.

34. (New) The BLM stack according to claim 1, wherein the metal third layer includes a copper stud over the metal second layer, wherein the copper stud has a thickness in a range from about 5 micrometers to about 15 micrometers.

35. (New) The BLM stack according to claim 1, wherein the metal third layer includes a copper stud over the metal second layer, wherein the copper stud has a thickness in a range from about 5 micrometers to about 15 micrometers, and wherein the metal second layer has a thickness in a range from about 1,000 Å to about 5,000 Å.

36. (New) The system according to claim 23, wherein the metal adhesion first layer includes a Ti composition, wherein the Ti composition has a thickness in a range from about 500 Å to about 4,000 Å.

37. (New) The system according to claim 23, wherein the metal second layer includes a NiV composition, and wherein the NiV composition has a thickness in a range from about 500